Cleveland Clinic Epilepsy Update
Recent Advances in Clinical Care
September 28–30, 2022

InterContinental Hotel & Bank of America Conference Center
9801 Carnegie Ave, Cleveland, Ohio

Attend in-person or virtually

Photo Courtesy of J. H. Schaffer

www.ccfcme.org/epilepsyupdate22
The Cleveland Clinic Epilepsy Update: Recent Advances in Clinical Care will provide state-of-the-art comprehensive updates on the diagnostic and therapeutic advances in epilepsy. The update encompasses epilepsy across the age spectrum from infancy to adulthood. Topics to be addressed include diagnostic evaluation of complex epilepsies, optimal use of anti-seizure medications, auto-immune epilepsies, status epilepticus, medical intractability, assessment for epilepsy surgery, and epilepsy surgery including neuromodulation and upcoming newer ablative techniques.

Learning Objectives

- Discuss state-of-the-art diagnostic and therapeutic developments in the management of epilepsy
- Describe the pharmacology and action of anti seizure medications (ASMs)
- Review unique epilepsies including rare syndromes, diseases, neuro-cutaneous disorders, and autoimmune epilepsies
- Discuss treating acute repetitive seizures and status epilepticus
- Review epilepsy surgery updates and techniques including neuromodulation and ablative procedures

Target Audience

This educational activity is intended for practicing adult and pediatric neurologists and epileptologists, Neurology and Neurosurgery residents and fellowship trainees, as well as advanced practice providers, nursing, Physician Assistants and other health care personnel engaged in epilepsy care.
## Cleveland Clinic Epilepsy Update
### Recent Advances in Clinical Care

### General Information

**Location**
InterContinental Hotel & Bank of America Conference Center  
9801 Carnegie Ave  
Cleveland, Ohio 44106  
Phone: 216.455.1260

**Parking**
Valet Parking available, with in/out privileges at the hotel for a daily fee of $24.

**Hotel Accommodations**
A block of rooms has been reserved at InterContinental Hotel & Conference Center until **August 27, 2022**. To make your reservations, contact the Hotel Reservations Department at 855.765.8709.

Please identify yourself as being with the Cleveland Clinic Epilepsy Update course, for the special rate of $169 plus 17.5% tax.

### Course Director
Ajay Gupta, MD  
Cleveland Clinic

### Guest Faculty

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<tr>
<th>Name</th>
<th>Institution</th>
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<tr>
<td>Elinor Ben-Menachem, MD, PhD</td>
<td>University of Gothenburg Gothenburg, Sweden</td>
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<tr>
<td>Fernando Cendes, MD, PhD</td>
<td>University of Campinas Sao Paulo, Brazil</td>
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<tr>
<td>J Helen Cross, MD</td>
<td>UCL Great Ormond Street Institute of Child Health London, UK</td>
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<tr>
<td>Jacqueline French, MD</td>
<td>NYU Langone Health New York, NY</td>
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<tr>
<td>Kelly Knupp, MD</td>
<td>Children’s Hospital of Colorado Aurora, Colorado</td>
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<tr>
<td>Samden Lhatoo, MD</td>
<td>UT Health Houston Houston, TX</td>
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<tr>
<td>Sanjay M Sisodiya, MA, PhD, FRCP</td>
<td>UCL Queen Square Institute of Neurology London, UK</td>
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<tr>
<td>Claude Steriade, MD</td>
<td>NYU Langone Health New York, NY</td>
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### Guest Faculty (continued)

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<td>Andrea Alexopoulos, MD, MPH</td>
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### Advanced Practice Providers Planning Committee

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<tr>
<td>Susan Stanton, PA-C</td>
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<td>Haley Zielinski, MSN</td>
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AGENDA DAY 1: Wednesday, September 28, 2022

7:00–7:45 a.m.  Registration/Breakfast/Exhibits

7:45–8:00 a.m.  Welcome & Introductions
    Ajay Gupta, MD

8:00–9:00 a.m.  Update on Genetics Testing in Epilepsy Clinical Practice: Hope or Hype
    Sanjay Sisodiya, MA, PhD, FRCP

9:00–10:00 a.m.  Types of Genetic Tests and Results Interpretation in Epilepsy
    Dennis Lal, PhD

10:00–10:30 a.m.  Break

10:30–11:30 a.m.  Updates on Autoimmune Epilepsies – Diagnosis and Testing
    Claude Steriade, MD

11:30–12:30 p.m.  Updates on Imaging in Epilepsy with Clinical Applications
    Fernando Cendes, MD, PhD

12:30–1:30 p.m.  Lunch/Exhibits

1:30–2:30 p.m.  Recent Advances in Brain MRI in Non-lesional Epilepsies
    Irene Wang, PhD

2:30–3:30 p.m.  Update on MEG in Epilepsy Localization for Surgery
    Hiroatsu Murakami, MD

3:30–4:00 p.m.  Break/Exhibits

4:00–5:00 p.m.  PET and SPECT – Updates in Nuclear Imaging Application for Epilepsy Surgery
    Andreas Alexopoulos, MD

5:00–6:00 p.m.  Synthesis of Multi-Modal Data and Pre-Surgical Planning
    Resection vs SEEG Implantation
    Imad Najm, MD

All presentations include a 10-minute question and answer period.
AGENDA DAY 2: Thursday, September 29, 2022

7:00–8:00 a.m.  Breakfast/Exhibits
8:00–9:00 a.m.  Updates on Medical Treatment of Partial-Onset Seizures  
                 Elinor Ben Menachem, MD, PhD
9:00–10:00 a.m. Updates on Medical Treatment of Primary Generalized Seizures  
                 Jacqueline French, MD
10:00–10:30 a.m. Break
10:30–11:30 a.m. Advances in Treatments of Rare Diseases and Epileptic Encephalopathies  
                 Kelly Knupp, MD
11:30–12:30 p.m. Keynote Presentation  
                 Updates on Epilepsy Surgery  
                 J Helen Cross, MD
12:30–1:30 p.m.  Lunch/Exhibits
1:30–2:30 p.m.  Updates on Medical and Surgical Treatment Neurocutaneous Disorders  
                 Ajay Gupta, MD
2:30–3:30 p.m.  Updates on Treatment of Autoimmune Epilepsies and Encephalopathies  
                 Amy Kunchok, MD
3:30–4:00 p.m.  Break/Exhibits
4:00–5:00 p.m.  Updates on Treatment of Acute Repetitive Seizures and Status Epilepticus  
                 Stephen Hantus, MD
5:00–6:00 p.m.  Recent Advances in Seizure Detection and SUDEP Prevention  
                 Samden Lhatoo, MD

All presentations include a 10-minute question and answer period.
AGENDA DAY 3: Friday, September 30, 2022

7:00–8:00 a.m.  Breakfast/Exhibits

8:00–9:00 a.m.  SEEG: Localization of Seizure Onset and Stimulation Induced Seizures  
Juan Bulacio, MD

9:00–10:00 a.m.  Updates on Resective Surgery and Laser Ablative Therapies  
William Bingaman, MD

10:00–10:30 a.m.  Break/Hotel Check-out

10:30–11:30 a.m.  SEEG Guided Resection: A Neuroengineering Approach Towards Epileptiform Dynamics and Epilepsy Surgery  
Demitre Serletis, MD

11:30–12:30 p.m.  Neuromodulation in Epilepsy: A Surgeon’s Perspective  
Richard Rammo, MD

12:30 p.m.  Adjourn

All presentations include a 10-minute question and answer period.
Accreditation

In support of improving patient care, Cleveland Clinic Center for Continuing Education is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

- **American Medical Association (AMA)**
  Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 20.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

  Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

- **American Nurses Credentialing Center (ANCC)**
  Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 20.25 ANCC contact hours.

- **American Academy of PAs (AAPA)**
  Cleveland Clinic Center for Continuing Education has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 20.25 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

  This activity is pending ABPN Self-Assessment (SA) CME approval.

**Faculty Disclosure**

The Cleveland Clinic Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Integrity and Independence requiring mitigation of all faculty conflicts of interest. Faculty declaring a relevant financial relationship will be identified in the activity syllabus.

**American with Disabilities Act**

The Cleveland Clinic Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.

For further information about this activity, contact Shana Spade at spades@ccf.org or 216.213.9575.
Registration Information

Cleveland Clinic Epilepsy Update: Recent Advances in Clinical Care
September 28–30, 2022
InterContinental Hotel & Bank of America Conference Center
9801 Carnegie Avenue, Cleveland, Ohio 44106

Register Online! www.ccfcme.org/epilepsyupdate22

Registration Fees

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<th>CATEGORY</th>
<th>IN-PERSON</th>
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<tr>
<td>Physicians</td>
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<td>Residents/Fellows*</td>
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<td>Non-Physicians</td>
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In-Person Fee includes: Continental breakfasts, lunches, refreshment breaks, welcome reception and syllabus. Virtual Fee includes: Access to webinar and faculty presentations in PDF format.

*Letter from Program Director/Chairman must be received in our office prior to the course to receive this fee.

Registrations and Cancellations

Preregistrations are accepted online until **5:00 p.m. ET, September 23, 2022 for in-person and September 27 for virtual**. Contact Shana Spade at 216.213.9575 to check availability. In case of cancellation, email notification is required to process your refund. A full refund will be issued if canceled by August 28, 2022. After August 28, 2022, a $50 cancellation fee will be deducted from your refund. No refunds will be issued after September 14, 2022.

For questions about registration or cancellation, email us at cmeregistration@ccf.org or call 216.448.8710.

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone an activity at our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any activity cancellations or changes.